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Analysis; 2.10 Genetic and Molecular Markers; 2.11 Conclusion; References; 3: The Forest Landscape Before Farming 3.1 Where to Begin? 3.2 A Cold Open Continent; 3.3 Trees Spread Back After the Ice; 3.3.1 Forming a canopy; 3.3.2 The wood beneath the trees; 3.3.3 Molecular markers for recolonization routes; 3.4 A Holey Blanket of Trees; 3.5 The Role of Large Herbivores, Particularly Bison, Wild Horse and Aurochs; 3.6 People in the Landscape: The Trees in Retreat; References; 4: Evolution of Modern Landscapes; 4.1 Introduction; 4.2 The Emergence of Woodland Management; 4.3 Changes in Forest Extent and Distribution; 4.3.1 Reductions in forest cover; 4.3.2 Increases as well as decreases 4.3.3 Patterns of clearance and survival 4.3.4 The ecological consequences of a patchy landscape; 4.4 Changes in Structure and Composition Through Management; 4.5 Deliberate Modification of the Tree and Shrub Composition of Forests; 4.6 Other Species Gains and Losses; 4.7 Changes to the Fire Regime; 4.8 Changes to the Forest Soil; 4.9 Forests and Atmospheric Pollution; 4.11 Conclusion; References; Part II: The Variety of Management Across European Woods and Forests; 5: Wood-pastures in Europe; 5.1 Introduction; 5.2 Wood-pasture: A Multi-purpose System 5.3 Historical Development of Wood-pastures in Europe 5.3.1 Forest grazing and pasturing in ancient times; 5.3.2 Driving the livestock out of the forest (18th-19th centuries); 5.3.3 New recognition for wood-pastures?; 5.4 National Inventories of Wood-pastures; 5.5 Wood-pastures as Multifunctional Landscape Elements: Past and Present; 5.6 Threats to Wood-pastures; 5.6.1 Management changes; 5.6.2 Policy mismatch; 5.6.3 Decline of old, hollowing or dying trees; 5.6.4 Lack of regeneration; 5.7 Conclusion; Acknowledgements; References 6: Coppice Silviculture: From the Mesolithic to the 21st Century

Sommario/riassunto

Our understanding of the ecological history of European forests has been transformed in the last twenty years. Bringing together key findings from across the continent, this book provides a comprehensive account of the relevance of historical studies to current conservation and management of forests. It combines theory with a series of regional case studies to show how different aspects of forestry play out according to the landscape and historical context of the local area.
